

Logistic Regression Using the SAS System : Theory and Application

By Paul D. Allison

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If you are a researcher or student with experience in multiple linear regression and want to learn about logistic regression, this book is for you! Informal and nontechnical, Paul Allison's Logistic Regression Using SAS: Theory and Application both explains the theory behind logistic regression and looks at all the practical details involved in its implementation using SAS. Several social science real-world examples are included in full detail. The book also explains the differences and similarities among the many generalizations of the logistic regression model. The following topics are covered: binary logit analysis, logit analysis of contingency tables, multinomial logit analysis, ordered logit analysis, discrete-choice analysis with the PHREG procedure, and Poisson regression. Other highlights include discussions of how to use the GENMOD procedure to do log-linear analysis and GEE estimation for longitudinal binary data. Only basic knowledge of the SAS DATA step is assumed.

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Editorial Review

Review
The book treats logistic regression as the next topic in the regression methodology, so one is expected to have learned regression analysis already. Consistent with the author's social-science background, he begins with models for dichotomous responses. The logic model is treated as the solution to the problems one would encounter with using linear regression for binary response data. Both PROC LOGISTIC and PROC GENMOD are introduced. PROC REG is cleverly included, though, as a diagnostic for collinearity. The excellent binary data diagnostics in PROC LOGISTIC and PROC GENMOD are covered extensively. The probit model is also considered. --Eric Ziegel, Technometrics, Book Review Editor

Users of other software and other books are probably tired of my hype for these inexpensive books that integrate applied statistics and SAS procedures. This is another great applied-statistics and SAS-application guidebook, which should be essential to the library of anyone who uses SAS. --Eric Ziegel, Technometrics, Book Review Editor

About the Author
Paul D. Allison

Paul D. Allison is a Professor of Sociology and Epidemiology at the

University of Pennsylvaniawhere he teaches graduate courses in survival

analysis and categorical data analysis. Every summer he teaches a

five-day workshop about logistic regression that is attended by researchers

from around the United States and Canada. Besides his numerous statistical

papers, he has also published extensively on the subject of scientists'

careers.

Users Review

From reader reviews:

Juan Reynolds:

Nowadays reading books are more than want or need but also become a life style. This reading addiction give you lot of advantages. The benefits you got of course the knowledge the actual information inside the book in which improve your knowledge and information. The knowledge you get based on what kind of book you read, if you want have more knowledge just go with schooling books but if you want sense happy read one having theme for entertaining for instance comic or novel. The Logistic Regression Using the SAS System : Theory and Application is kind of book which is giving the reader capricious experience.

Jeffrey Stampley:

Reading can called brain hangout, why? Because if you are reading a book mainly book entitled Logistic Regression Using the SAS System : Theory and Application your head will drift away trough every dimension, wandering in every single aspect that maybe not known for but surely will end up your mind friends. Imaging every word written in a reserve then become one application form conclusion and explanation this maybe you never get previous to. The Logistic Regression Using the SAS System : Theory and Application giving you a different experience more than blown away your head but also giving you useful information for your better life in this particular era. So now let us teach you the relaxing pattern the following is your body and mind will be pleased when you are finished studying it, like winning a sport. Do you want to try this extraordinary spending spare time activity?

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